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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/678,637	10/03/2000	Michael R. Conboy	5000-83702	6043

7590 09/05/2002

Robert C Kowert  
Conley Rose & Tayon PC  
P O Box 398  
Austin, TX 78767

EXAMINER

MASINICK, MICHAEL D

ART UNIT	PAPER NUMBER
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2125

DATE MAILED: 09/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/678,637

Applicant(s)

CONBOY ET AL.

Examiner

Michael D Masinick

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2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 16-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 16-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 October 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 16-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,658,123 to Goff et al in view of U.S. Patent No. 5,434,775 to Sims et al.
3. Referring to Claim 16, Goff shows the moving of a work piece between first and second fabrication areas where the work piece is located in the first fabrication area and is to be transferred to the second fabrication area comprising transferring the work piece from the first fabrication area to the second fabrication area.
4. Goff does not show tracking the location of the work piece by providing a database including a location entry for the work piece, wherein the location entry indicates the work piece is located within the first fabrication area, and upon transferring the work piece, updating the database location entry to indicate the work piece is located within the second fabrication area.
5. Sims teaches a device tracking system where each device (work piece) is tracked using a network of communication links, each of which correspond to a location. Device location is continuously monitored (Abstract). Sims teaches (Claims 41, 64) a database for storing the location information of each device and would inherently be updated when the movement of a device is detected.

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6. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the database tracking system of Sims with the work piece movement and fabrication system of Goff because knowledge of the exact location of work pieces and products is highly desired information in a production system.

7. Referring to claims 17-18, Goff shows the method of placing the work piece within a first container within the first fabrication area, and providing an empty second container within the second fabrication area (abstract). While Goff does not specifically show that the work pieces are placed into the first containers within the first fabrication area, this is an inherent trait of having full "boats" after the fabrication process in the first fabrication area.

8. Referring to claim 19, Goff shows wherein the transferring step comprises providing an air lock chamber in a sealed opening in a wall separating the first a second fabrication areas, opening a first door at one side of the air lock chamber and inserting the work piece-containing first container into the air lock chamber from the first fabrication area, separating the work piece from the first container and thereafter extracting the first container from the air lock chamber through the first door and into the first fabrication area, closing the first door and thereafter opening the second door configured at a side of the air lock chamber opposite the first door, inserting the empty second container into the air lock chamber from the second fabrication area, and placing the work piece within the second container and thereafter extracting the second container from the air lock chamber through the second door and into the second fabrication area. (Claims 1 and 6).

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9. Referring to claim 20, Goff shows wherein the closing step comprises purging ambient air from the air lock chamber after the first door is closed and before the second door is opened (Claim 3).

10. Referring to claim 21 and 22, Goff shows wherein the first door separates the first fabrication area from the air lock chamber and the second door separates the second fabrication area from the air lock chamber (Claims 4,5).

### *Conclusion*

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following U.S. Patents are considered relevant to the invention at the time it was made:

U.S. Patent No. 5,455,894

U.S. Patent No. 5,562,539

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael D Masinick whose telephone number is (703) 305-7738. The examiner can normally be reached on Mon-Fri, 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on (703) 308-0538. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7239 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

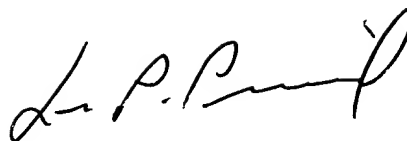
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mdm

August 21, 2002

A handwritten signature in cursive script, appearing to read "Leo Picard".

LEO PICARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100